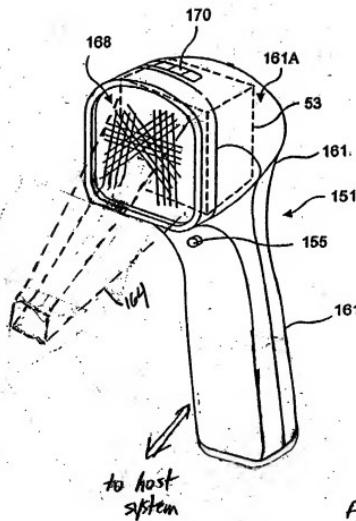


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First Generalized  
Embodiment

FIG. 1A

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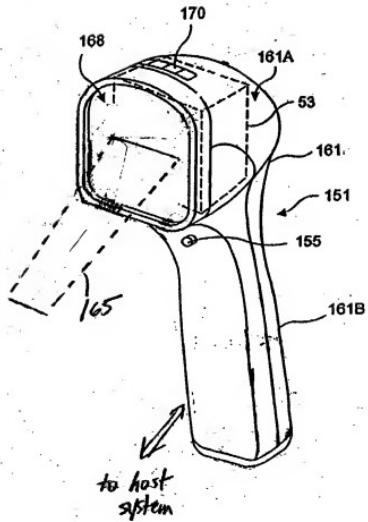


FIG. 1B

3147

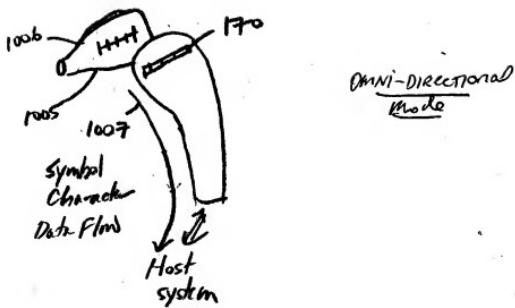


FIG. 2A

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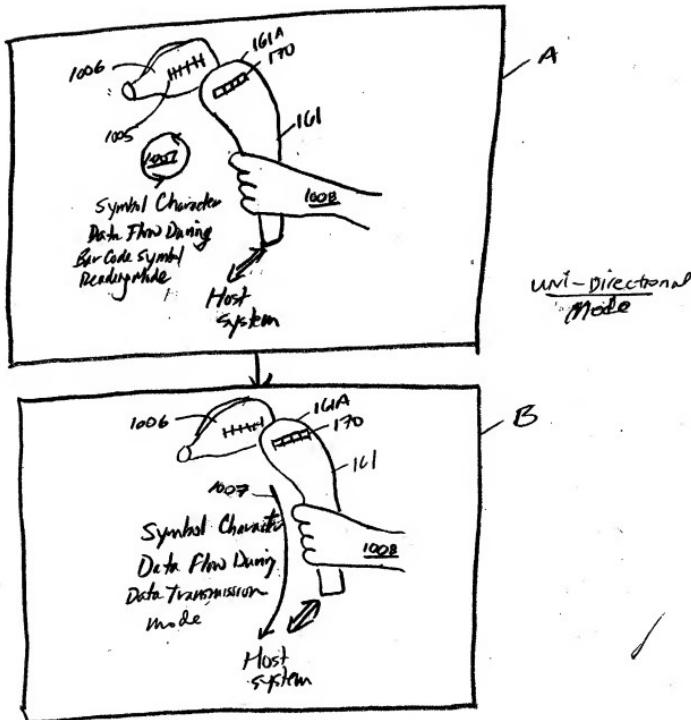
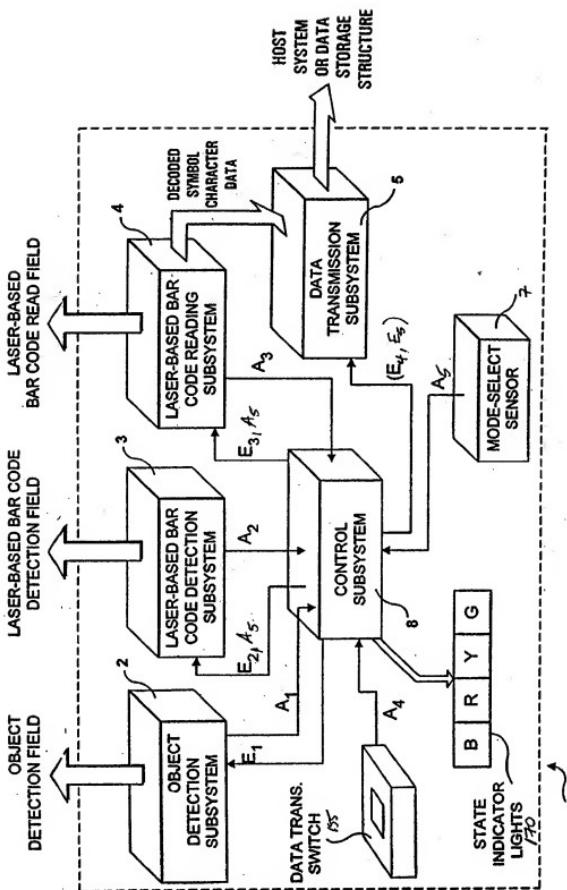


FIG. 2B

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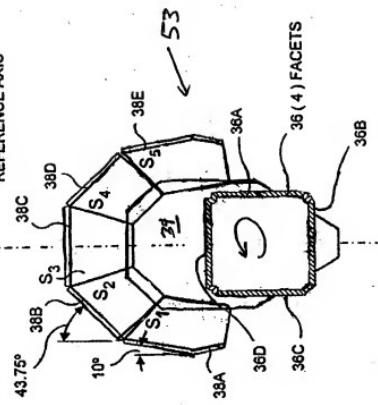


FIC. 3

(S)

(S)

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35. CENTRAL  
LONGITUDINAL  
REFERENCE AXIS

$$\begin{array}{l} \beta_1 = 65^\circ \\ \beta_2 = 90^\circ \\ \beta_3 = 73^\circ \\ \beta_4 = 103^\circ \end{array}$$

FIG. 5A

FIG. 4A

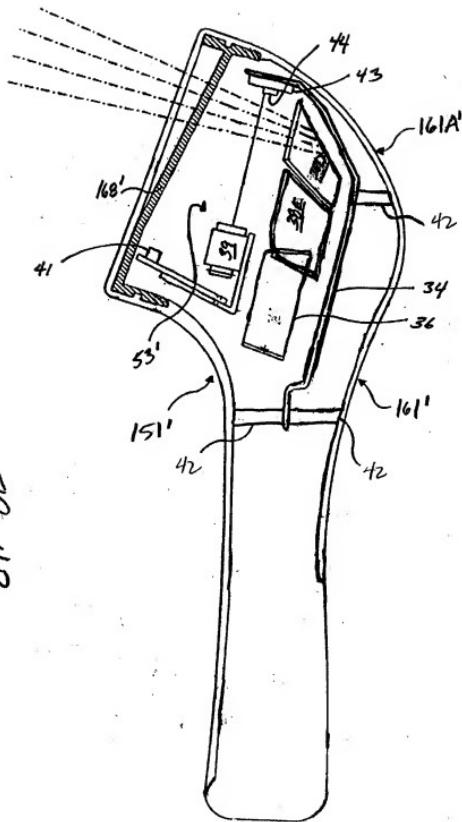
	TWIST $\alpha$	BEND $\theta$
S <sub>1-5</sub>	10°	46.0°
S <sub>2-4</sub>	43.75°	42.5°
S <sub>3</sub>	90°	40.5°

FIG. 5B

FIG. 4B

FIG. 5C

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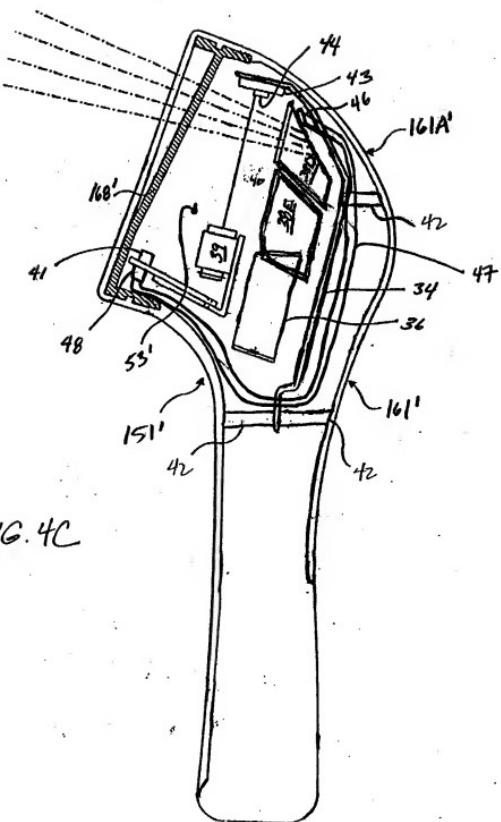


FIG. 4C

9147

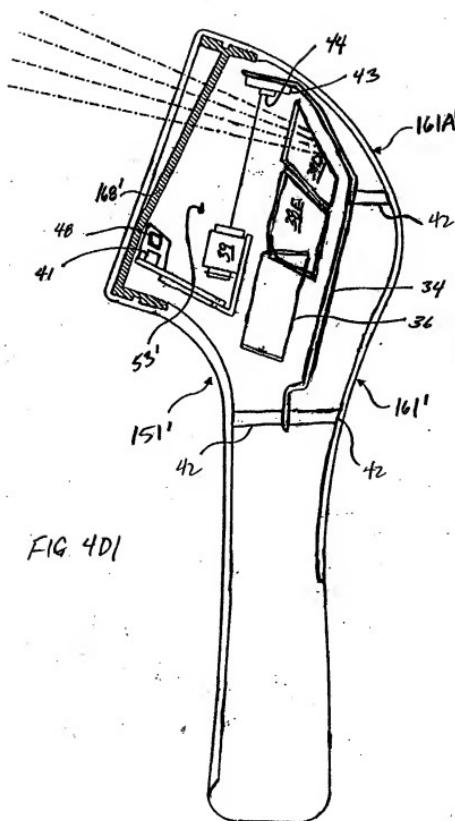


FIG. 4D1

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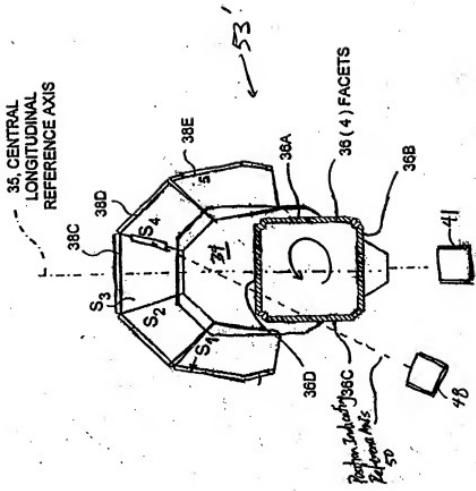


FIG. 402

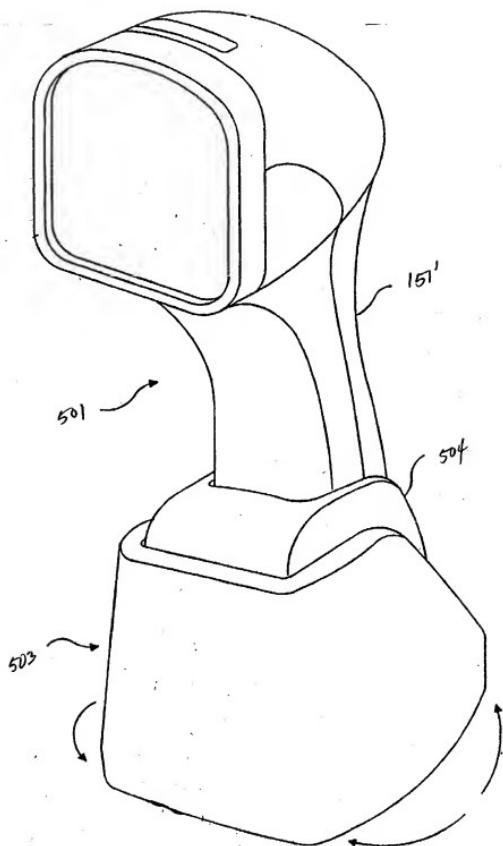


FIG. SA

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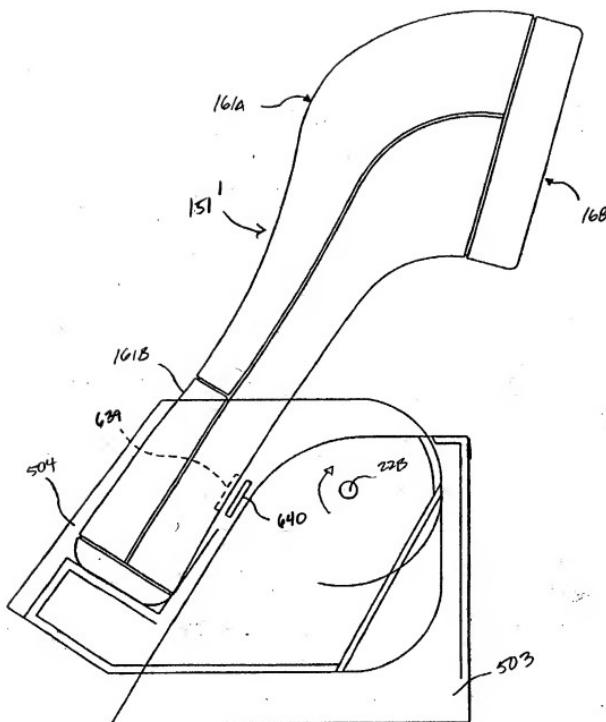
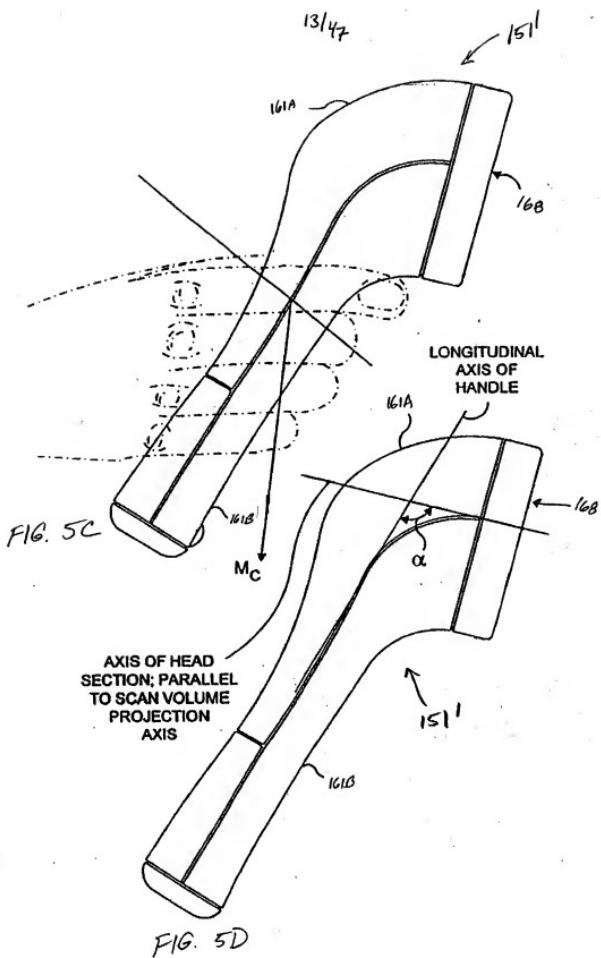


FIG. 5B



W/ 47

- 151

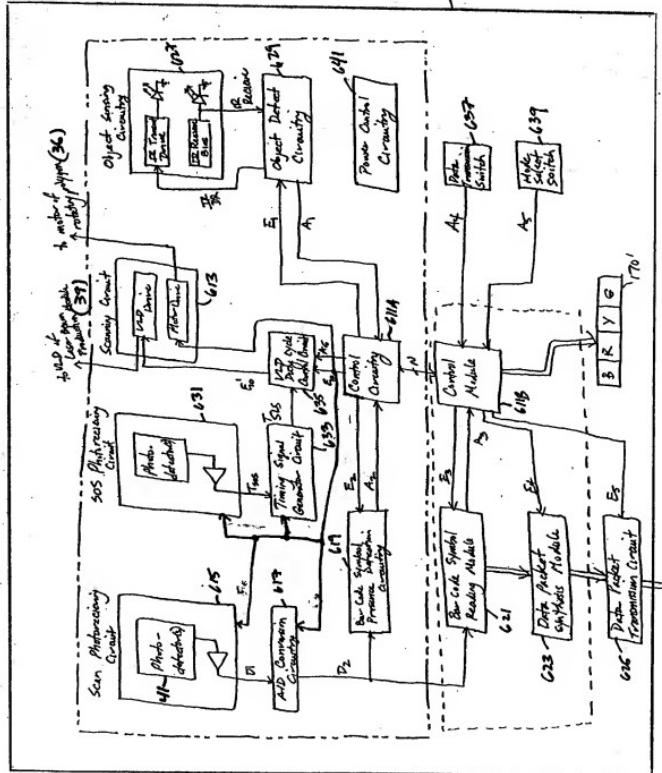


FIG. 6

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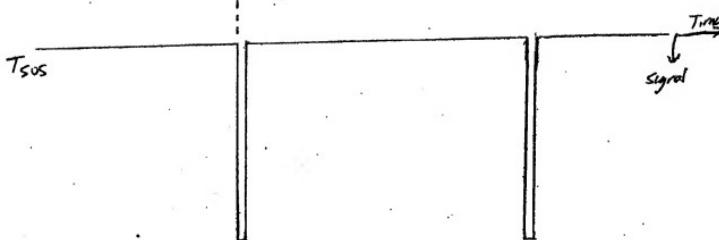


FIG. 7A

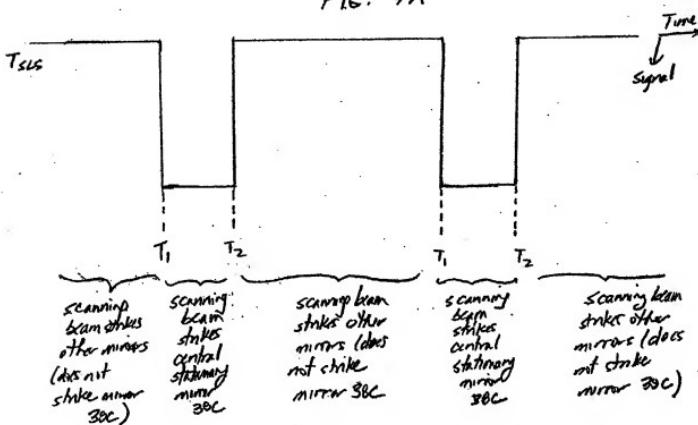


FIG. 7B

$$E_{10}' = (\overline{T_{SLS}} \cdot E_{10} \cdot A_5) + (E_{10} \cdot \bar{A}_5)$$

FIG. 7C

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1633

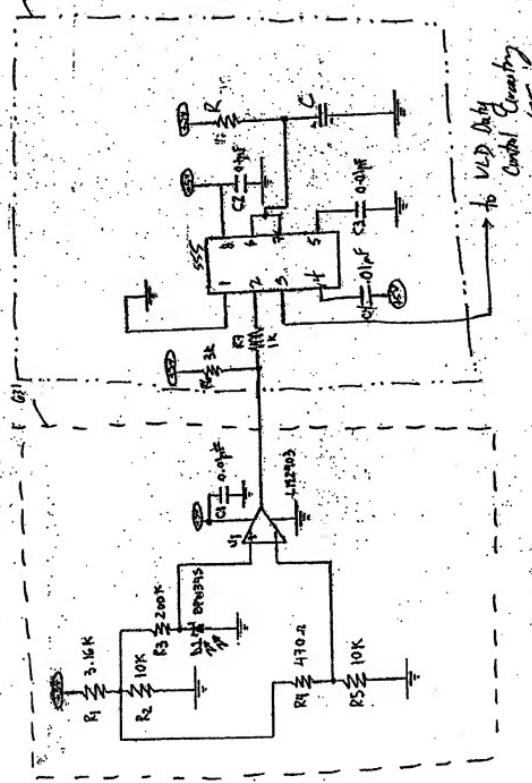


FIG. 7D

to VD high  
control circuitry

635

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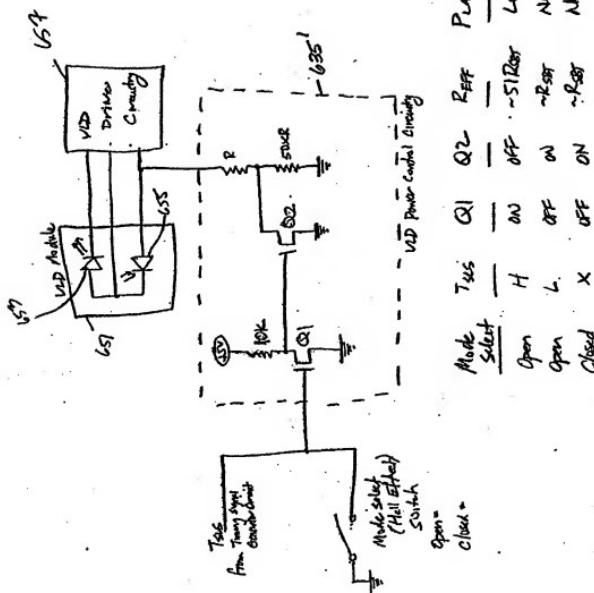


FIG. 7E

	T <sub>105</sub>	Q1	Q2	P <sub>1002</sub>
Select	—	—	—	OFF
Open H	H	ON	OFF	ON
Open L	L	OFF	ON	OFF
Closed X	X	OFF	ON	OFF

Normal  
Normal

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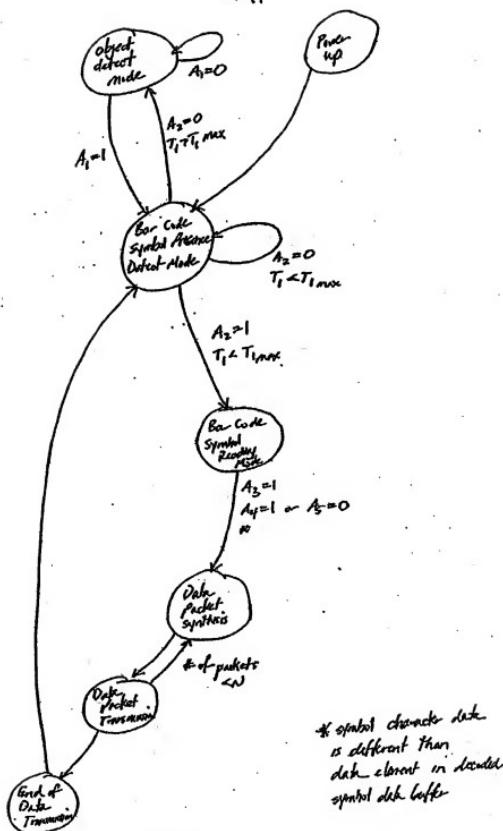


FIG. 8

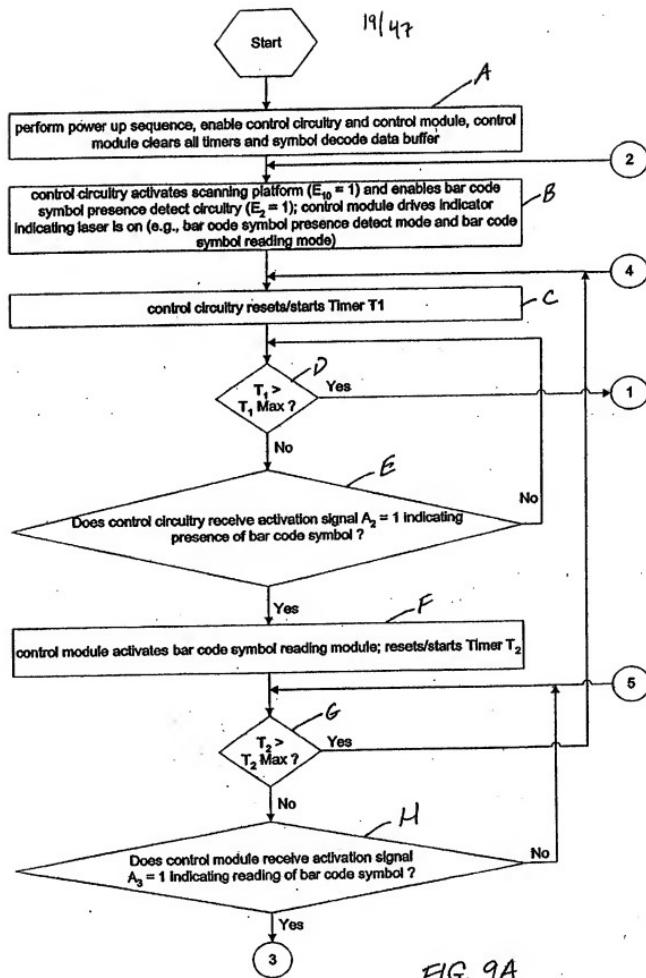


FIG. 9A

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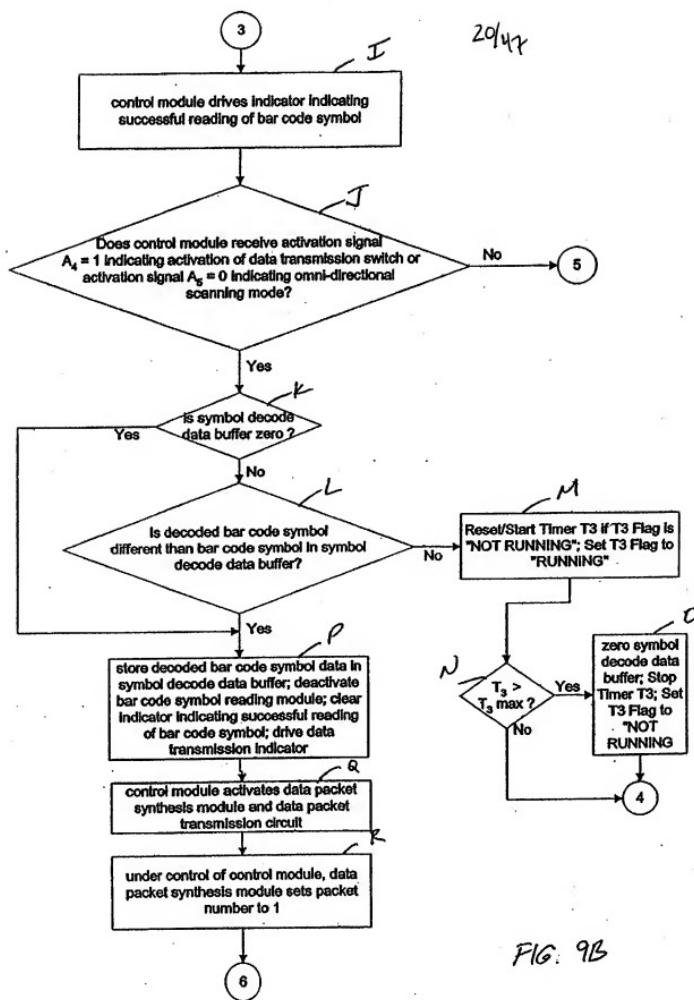


FIG: 9B

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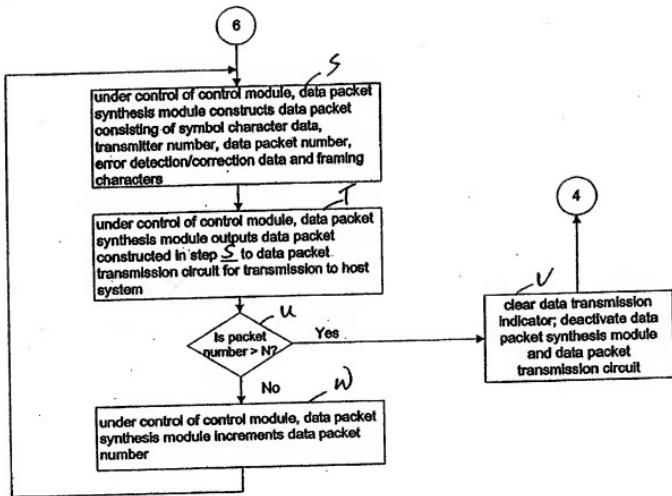


FIG. 9C

2247

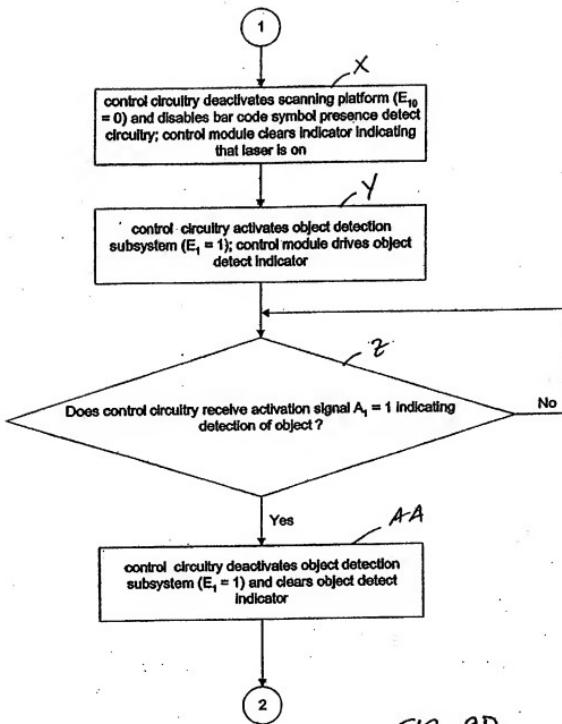
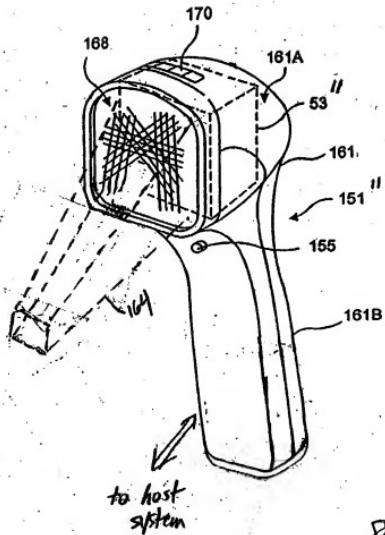


FIG. 9D

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Second  
Generalized  
Embodiment

FIG. 10A

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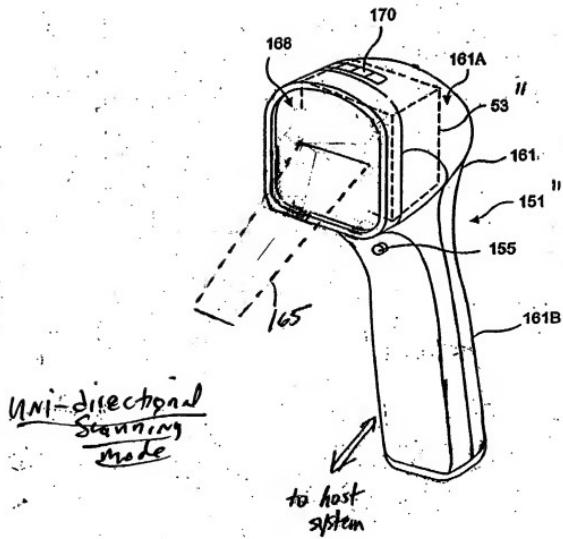


FIG. 10B

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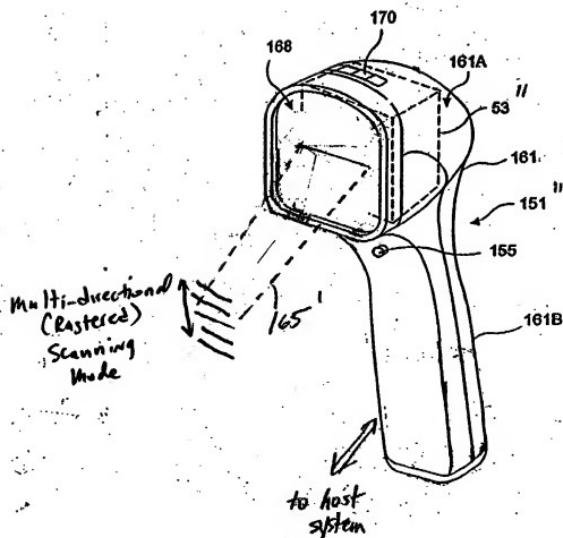


FIG. 10C

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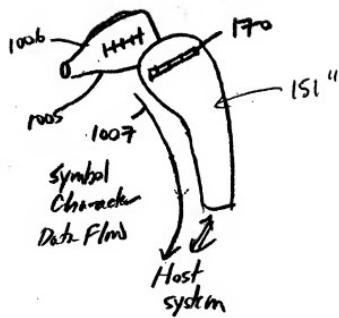


FIG. 11A

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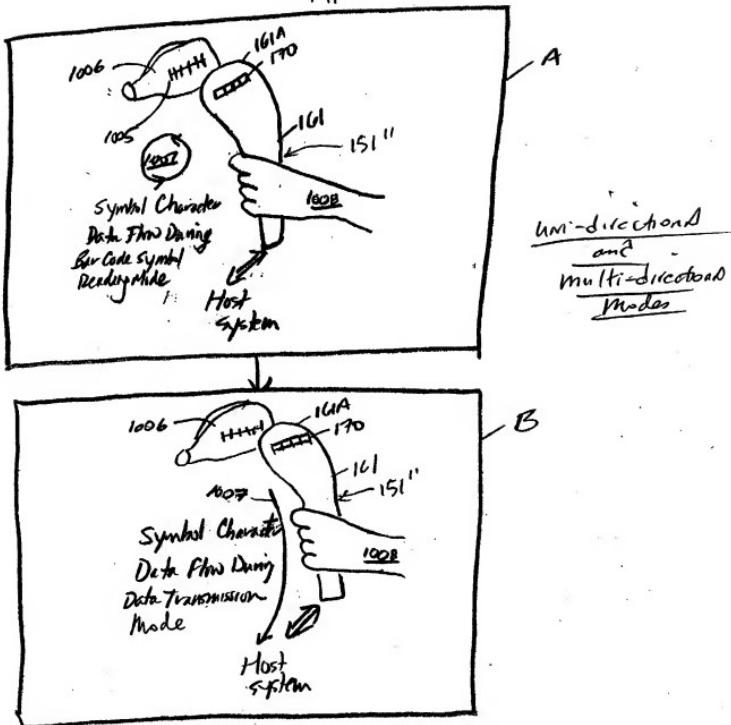


FIG. 11B

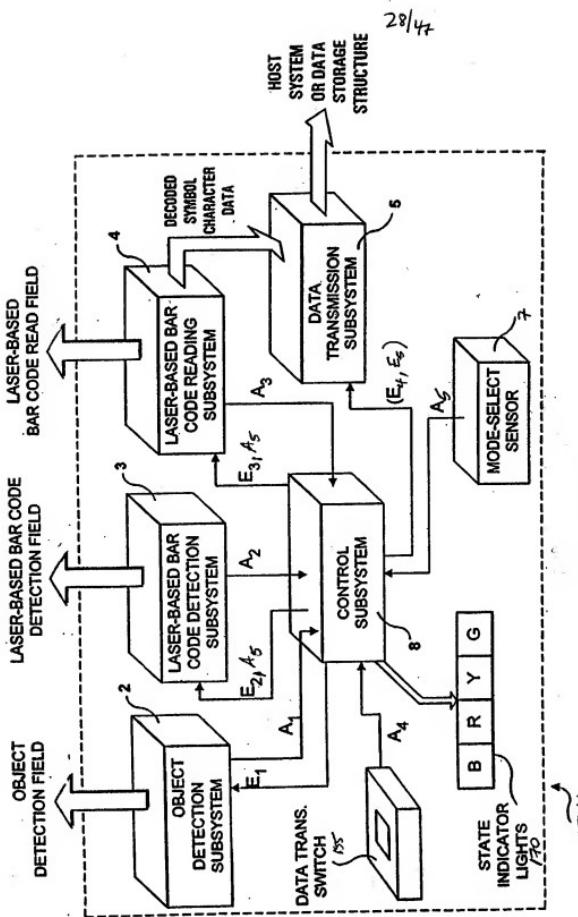


FIG. 12

571

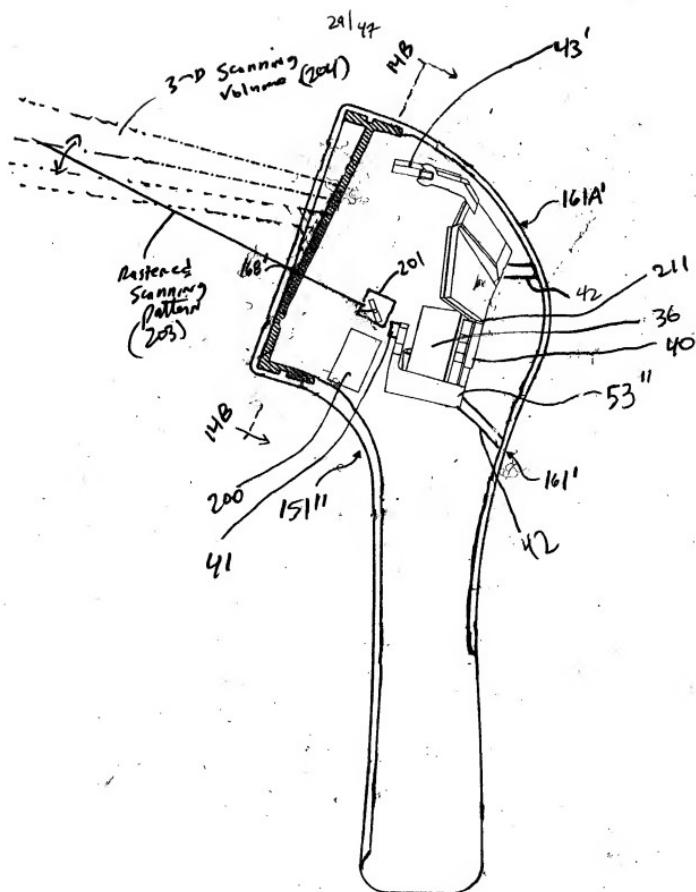


FIG. 13

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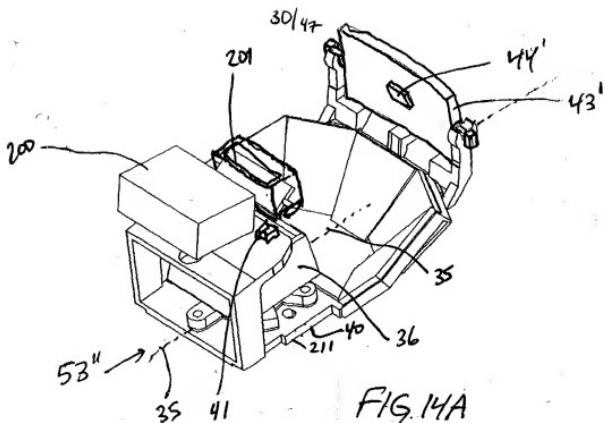


FIG. 14A

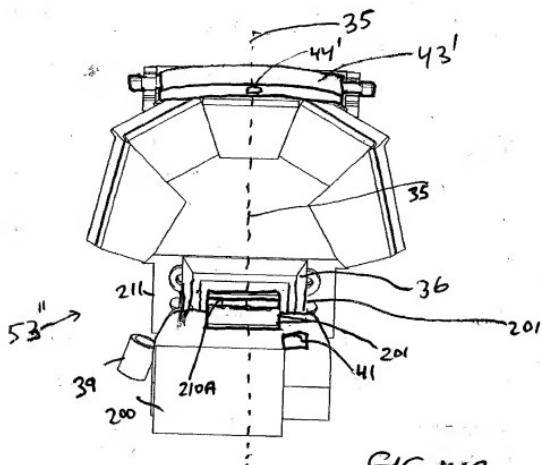
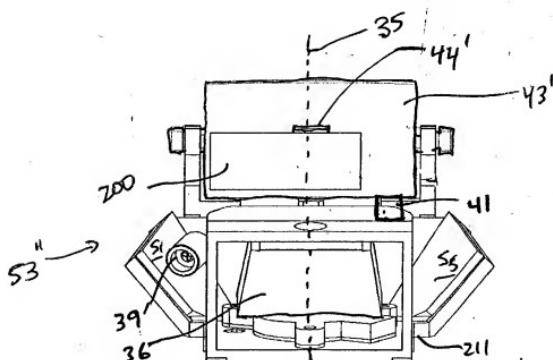
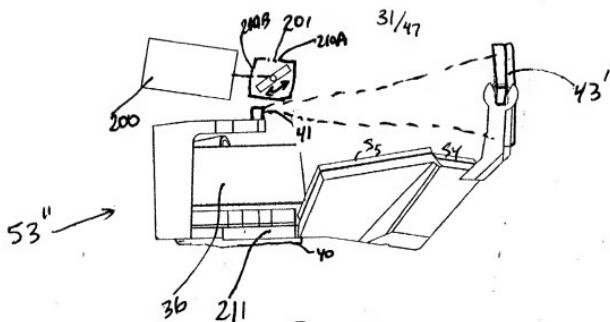


FIG. 14B



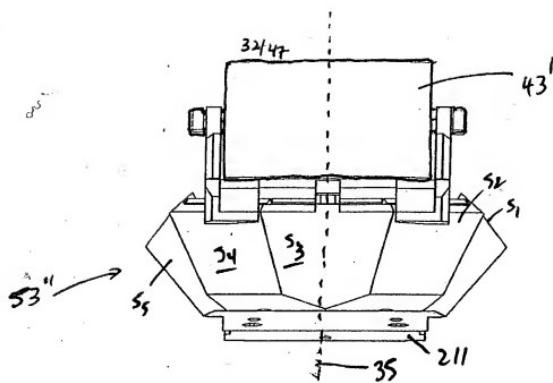


FIG. 14E

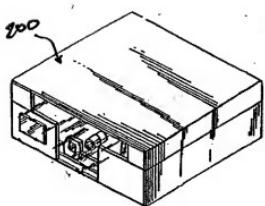


FIG. 14F

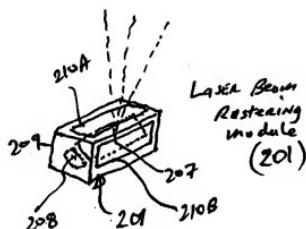


FIG. 14G

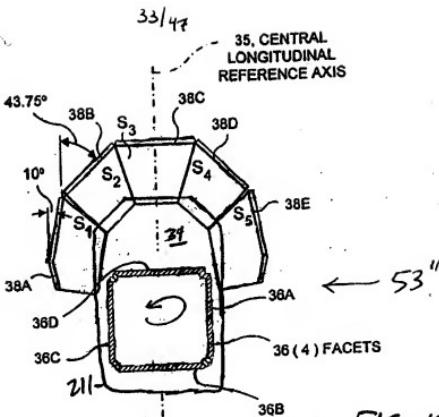


FIG. 15A

Optics Bench Array Mirror  
Specifications

Mirror	Relief Angle	Twist Angle
Degrees		
1	45.91	69.32
2	47.85	34.15
3	48.4	0
4	47.85	34.15
5	45.91	69.32

Mirror	Length	Width
Millimeters		
1	19.872	17.303
2	16.341	13.746
3	16.67	15.788
4	16.341	13.746
5	19.872	17.303

FIG. 15B

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Angles Specification:

## Definitions:

Relief Angle - The angle between the plane including all the bottom front edges of the array mirrors and the front surface of the mirror being measured.

Twist Angle - The angle of rotation about the z-axis with 0 degrees twist being defined as perpendicular to the incident beam (field 3).

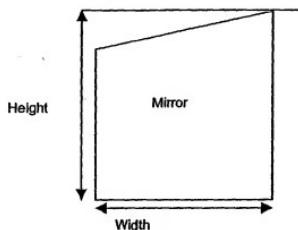
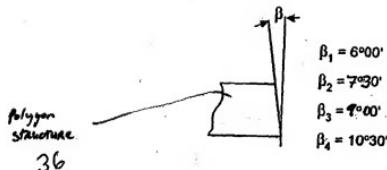


FIG. 15C



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FIG. 15D

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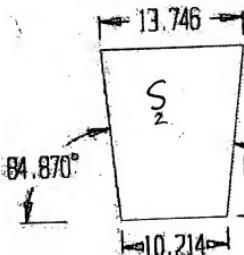


FIG. 15F

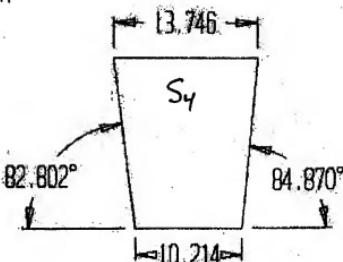


FIG. 15H

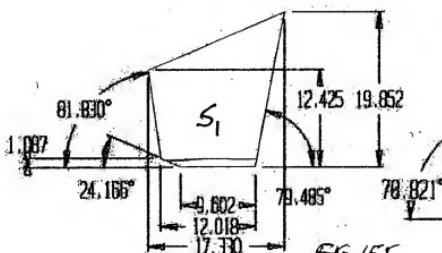


FIG. 15E

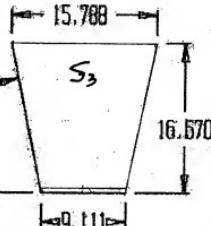


FIG. 15G

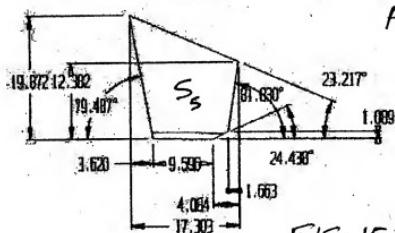


FIG. 15I

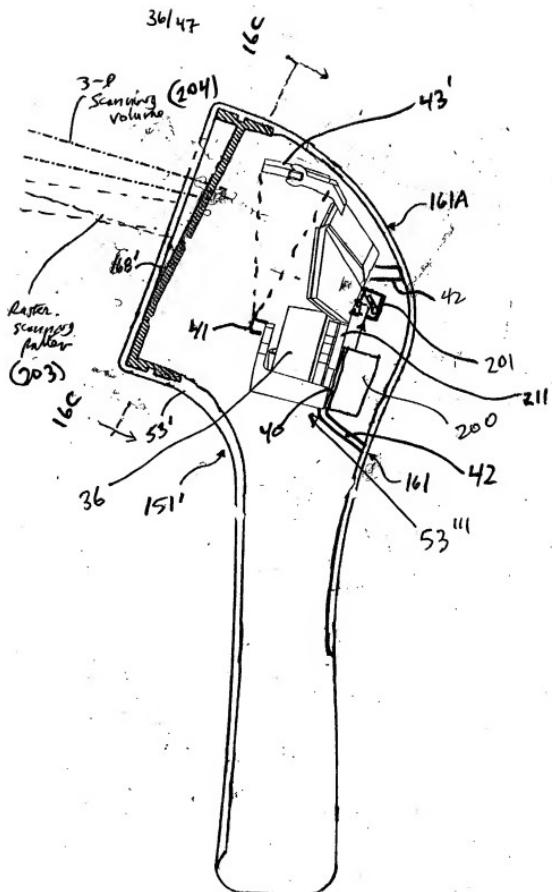
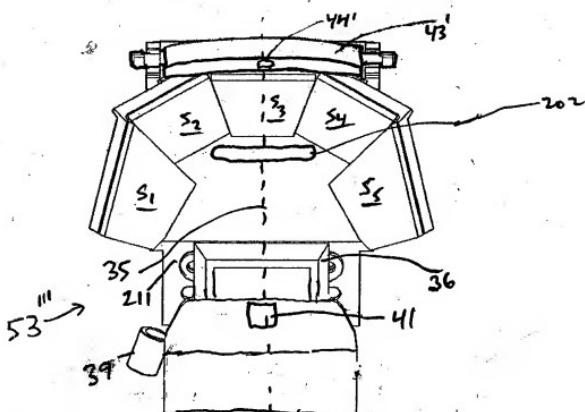
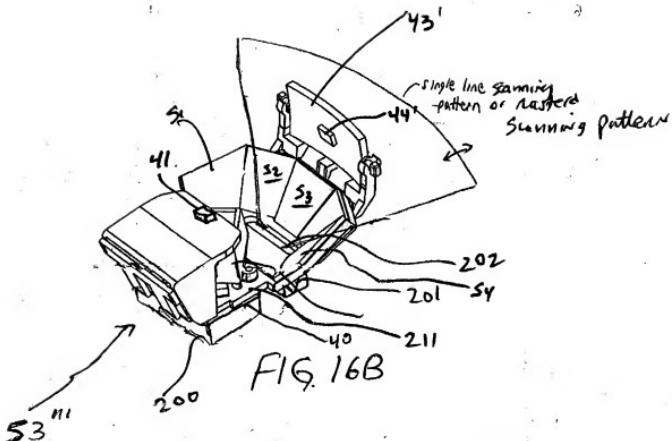
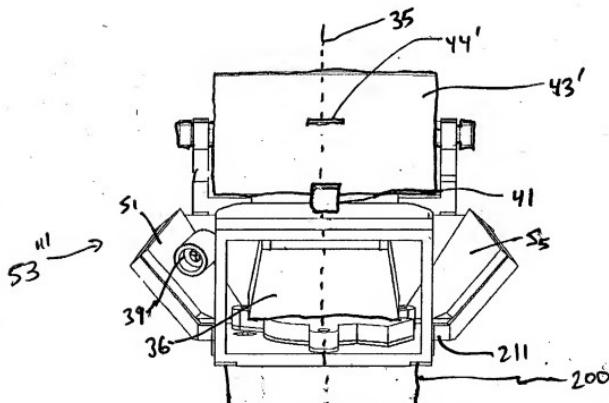
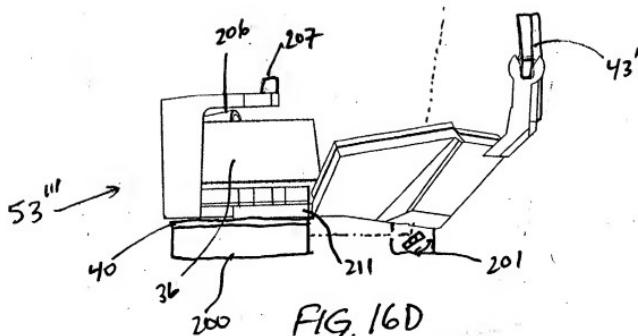


FIG. 16A

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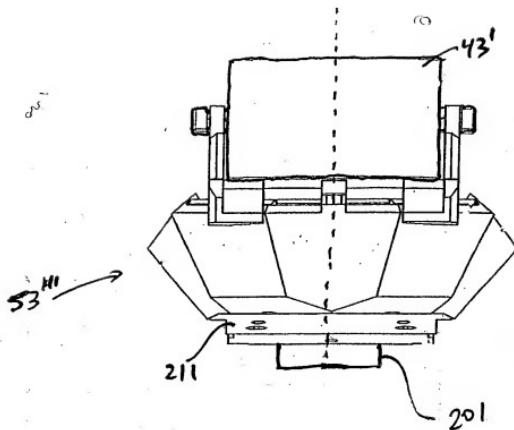


FIG. 16F

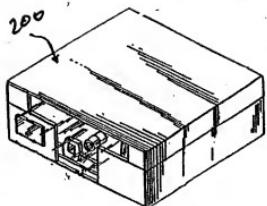


FIG. 16G

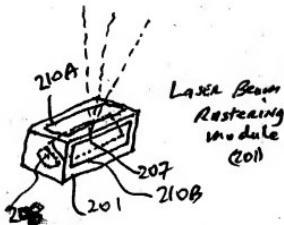


FIG. 16H

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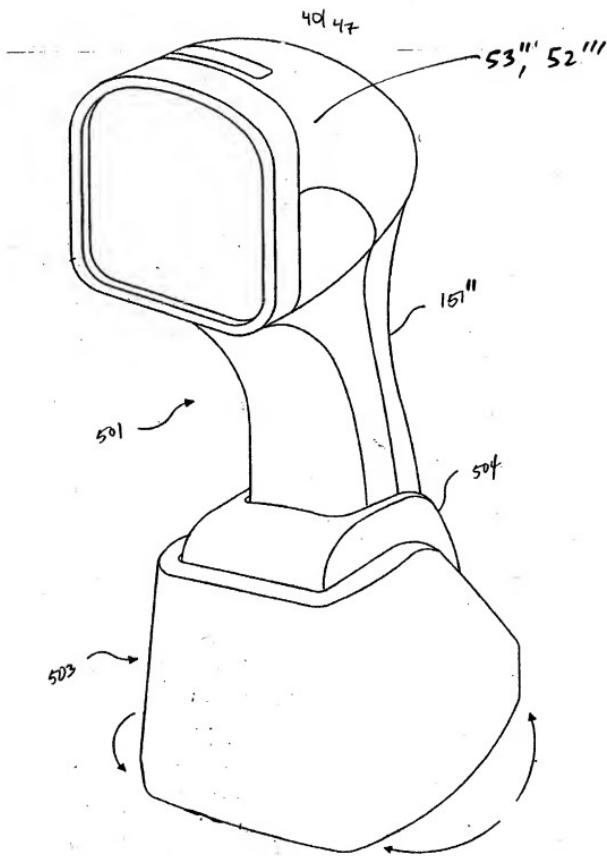
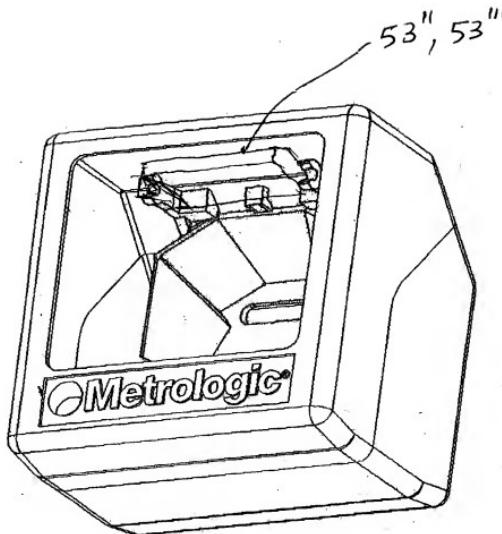


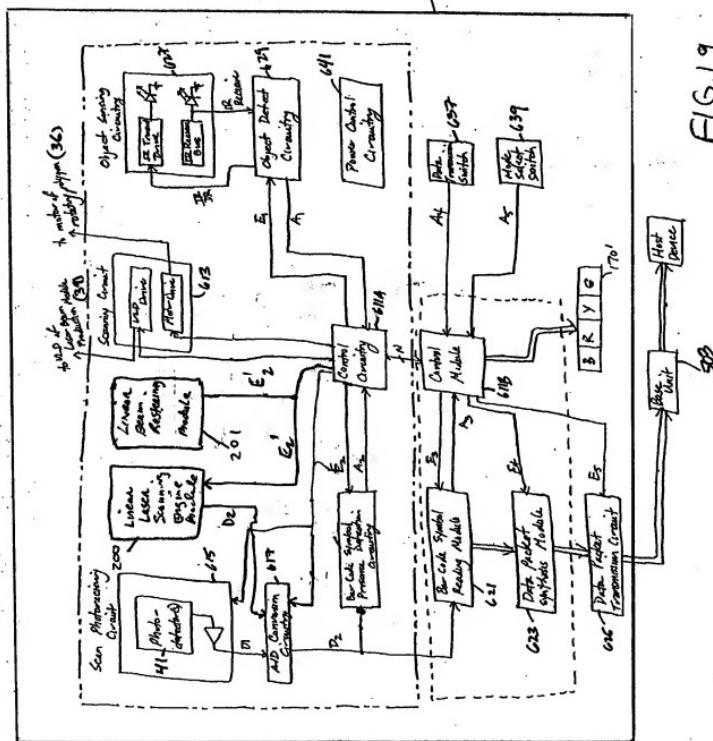
FIG. 17

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Device has  
omni-directional  
multi-directional  
and uni-directional  
scanning modes of  
operation

FIG. 18



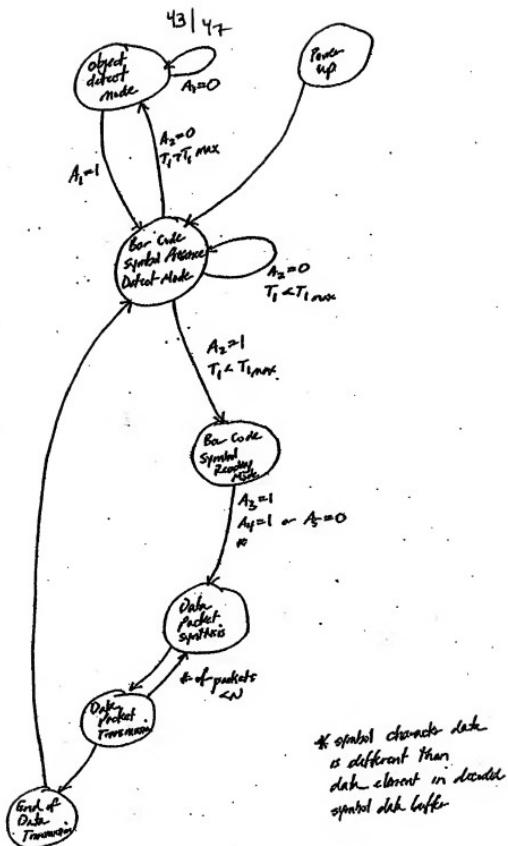


FIG 20

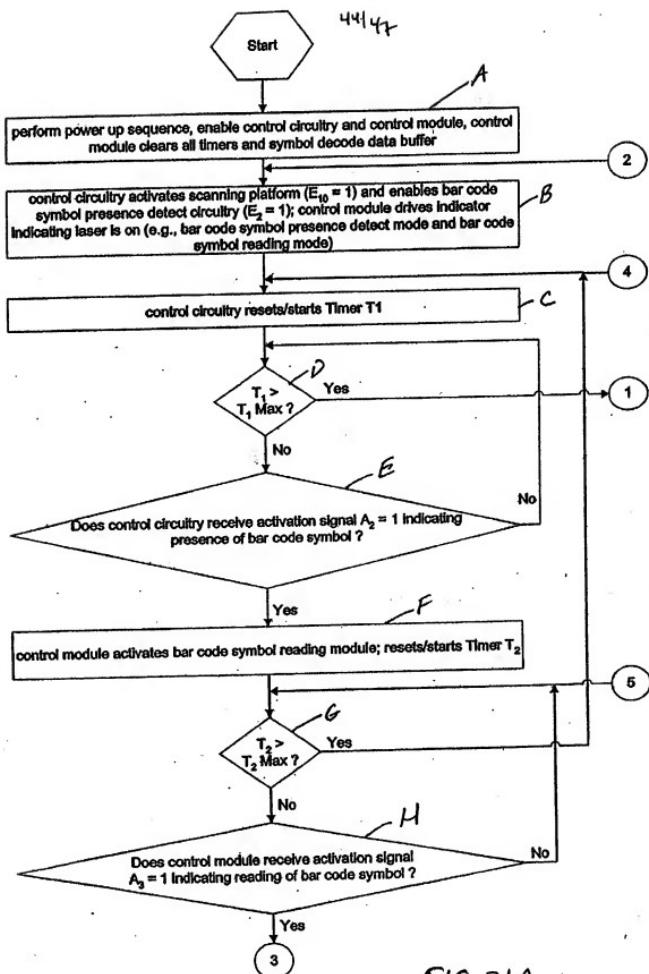


FIG. 2/A

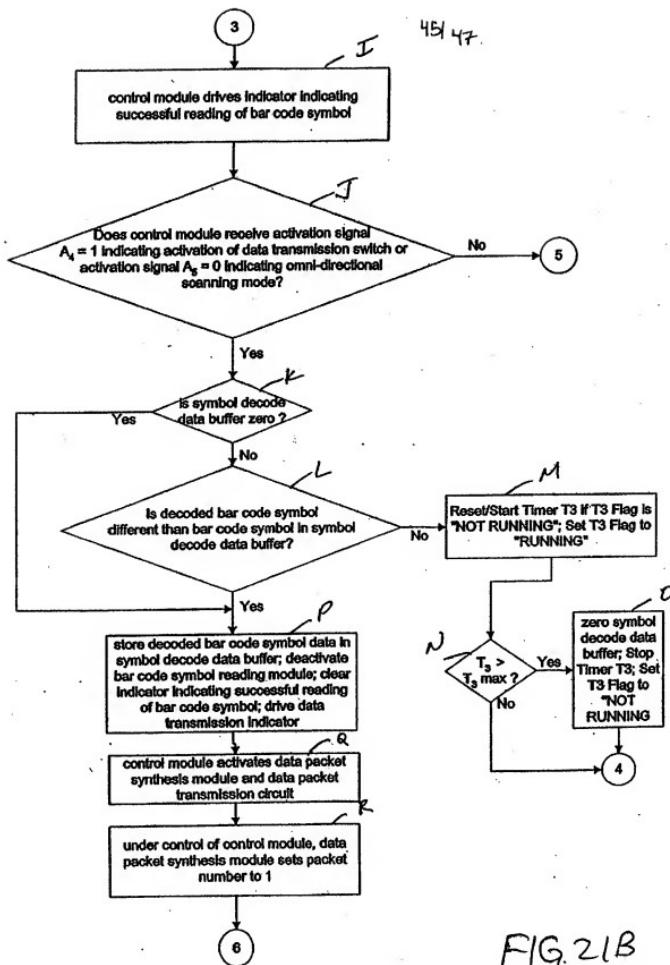


FIG. 21B

46177

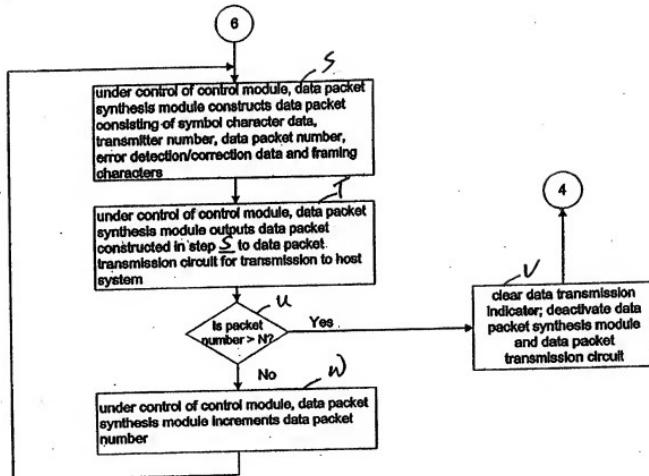


FIG.2/C

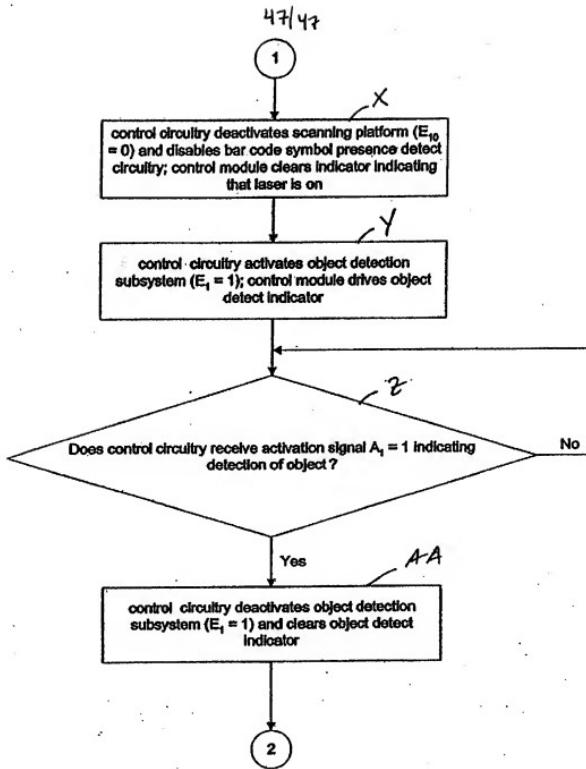


FIG. 21D